Colleges and Universities Purchasing Green Power

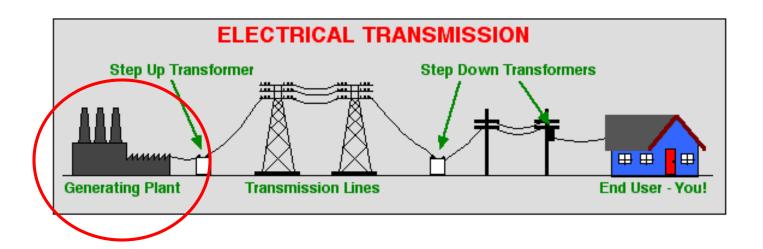
A New Student Movement Takes Hold

Suzanne Tegen

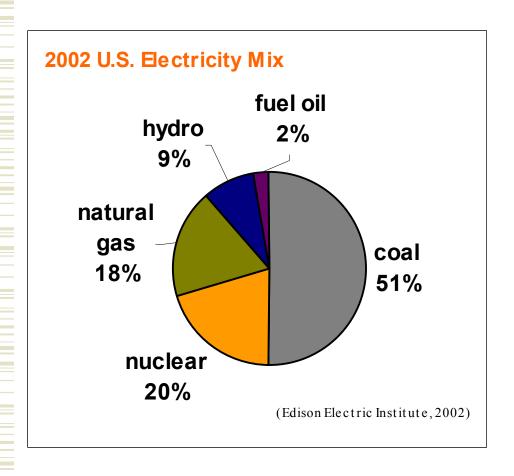
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National Green Power Marketing Conference
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Electricity and your school

Your school is an end-user, just like any other customer, but bigger, so it has more options.



U.S. Electricity



- Most of our electricity comes from coal, nuclear and gas-fired power plants.
- You can choose to purchase some or all of your electricity from cleaner sources!

Health and Environment

Effects from fossil fueled electricity generation include:

- Air pollution/smog
- Increase in climate change gases
- Increased lung disease and asthma
- Mercury poisoning
- Acid rain
- Radioactive waste and increased risk of nuclear accidents





"Green power" = clean power

Renewable energy (green power) can be generated from solar, wind, biomass, geothermal, and small or low impact hydropower projects.



Measuring your electricity use

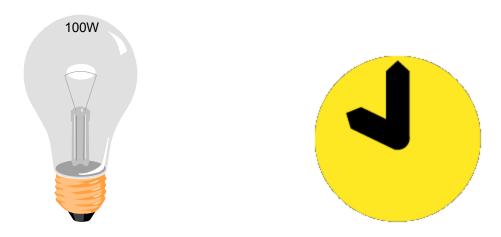
- Watts

(kilowatts, megawatts)

- kW measures **power** *rate* at which energy flows (rate of water flowing through a pipe).
- Multiply rate of energy flow (kW) by a time period (hours) = kWh (amount of water falling through the pipe in a given time period).
- kWh measures amount of energy.

Measuring electricity

If you have a 100-W bulb on for 10 hours, you will use (100 W x 10 hr) 1000 Wh or 1 kWh.



Typically, electricity costs ~ \$0.08/kWh

Why this panel?

- Colleges and universities are making their voices heard!
- One way to educate people and also lower prices for green power is DEMAND by large customers.
- National trend is making schools leaders in green power purchases → more sustainable communities.





Today's agenda

- What are green power options for your school?
- How much does green power cost?
- Success stories other schools switched to green
- Where are resources to help you sign your school up for green power?
- Q&A

Web cast participants, please email your questions